

From: [Young, Howard S.](#)
To: [Sheldrake, Sean](#); [Zhen, Davis](#)
Cc: [John Kern](#); [Scott Coffey](#)
Subject: RE: New issue with sediment recovery - flowing sand deliberative
Date: Friday, May 4, 2018 1:22:21 PM

Will do

From: Sheldrake, Sean <sheldrake.sean@epa.gov>
Sent: Friday, May 04, 2018 1:08 PM
To: Young, Howard S. <younghs@cdmsmith.com>; Zhen, Davis <Zhen.Davis@epa.gov>
Cc: John Kern (b) (6); Coffey, Scott <CoffeySE@cdmsmith.com>
Subject: RE: New issue with sediment recovery - flowing sand deliberative

Thanks Howard. As Davis noted, we'll follow the FSP until John has a chance to review (in case we want to direct an FSP change based on field conditions to preserve the data integrity). S

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<https://www.epa.gov/scientific-diving>
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From: Young, Howard S. [<mailto:younghs@cdmsmith.com>]
Sent: Friday, May 4, 2018 10:44 AM
To: Sheldrake, Sean <sheldrake.sean@epa.gov>; Zhen, Davis <Zhen.Davis@epa.gov>
Cc: John Kern (b) (6); Scott Coffey <coffeyse@cdmsmith.com>
Subject: New issue with sediment recovery - flowing sand

Sean and Davis,

We observed a new issue with the power grab sampling yesterday. At some locations, the sampling crews are encountering a black flowing sand that has very low cohesion and just flows out the bottom and sides of the power grab sampler. This occurs consistently when the black flowing sand is present and the grab jaws are completely closed. Crews have been following the FSP and rejecting these grabs and moving. The possible issue is that rejecting these black flowing sand grabs may result in a sample bias so I wanted to bring to this groups attention. It is a new issue but unrelated to penetration issues of hard sediment. Attached a couple of photos of the material.

Looking for direction from EPA on whether to continue following the FSP and reject these types of grabs.

Thank you,

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